

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A surface acoustic wave filter comprising:
a piezoelectric substrate;
acoustic tracks on the piezoelectric substrate, the acoustic tracks being adjacent and electrically interconnected, the acoustic tracks comprising electro-acoustic transducers, the electro-acoustic transducers comprising an input transducer and an output transducer; and
shielding structure that is metallic and that is electrically connected to ground, the shielding structure being between the acoustic tracks, the shielding structure shielding a first electro-acoustic transducer in a first acoustic track from a second electro-acoustic transducer in a second acoustic track,
wherein the first acoustic track and the second acoustic track are in parallel such that respective surface acoustic wave propagation directions of the first acoustic track and the second acoustic track are parallel to each other.

2. (Currently Amended) The surface acoustic wave filter of claim 1, wherein the first and second electro-acoustic transducers each have a bus bar facing the shielding structure, and

wherein at least one bus bar facing the shielding structure is electrically floating or electrically connected to a voltage other than ground.

3. (Currently Amended) A DMS filter comprising: ~~the surface acoustic wave filter of~~
~~claim 1~~

a surface acoustic wave filter comprising:

a piezoelectric substrate;

acoustic tracks on the piezoelectric substrate, the acoustic tracks being adjacent
and electrically interconnected, the acoustic tracks comprising electro-acoustic transducers, the
electro-acoustic transducers comprising an input transducer and an output transducer; and

shielding structure that is metallic and that is electrically connected to ground, the
shielding structure being between the acoustic tracks, the shielding structure shielding a first
electro-acoustic transducer in a first acoustic track from a second electro-acoustic transducer in a
second acoustic track,

wherein the first electro-acoustic transducer comprises the input transducer and the
second electro-acoustic transducer comprises the output transducer, the DMS filter further
comprising:

a first coupling transducer in the first acoustic track, the first coupling transducer
comprising a first bus bar;

a second coupling transducer in the second acoustic track, the second coupling transducer
comprising a second bus bar; and

a coupling line that electrically connects the first and second bus bars;
wherein the shielding structure is between the first electro-acoustic transducer and the second electro-acoustic transducer.

4. (Previously Presented) The DMS filter of claim 3, wherein the first bus bar comprises a bus bar of the first coupling transducer that is furthest from the second acoustic track, and the second bus bar comprise a bus bar of the second coupling transducer that is furthest from the first acoustic track.

5. (Previously Presented) The DMS filter of claim 4, further comprising:
reflectors that sandwich the acoustic tracks;
wherein the coupling line extends around the reflectors outside the acoustic tracks.

6. (Currently Amended) The DMS filter of claim 3, wherein the shielding structure is electrically connected to an external ground and to a bus bar of a coupling transducer that is not connected to the coupling line.

7. (Currently Amended) A surface acoustic wave filter comprising: ~~The surface acoustic wave filter of claim 1, further comprising:~~
a piezoelectric substrate;

acoustic tracks on the piezoelectric substrate, the acoustic tracks being adjacent and electrically interconnected, the acoustic tracks comprising electro-acoustic transducers, the electro-acoustic transducers comprising an input transducer and an output transducer; and
shielding structure that is metallic and that is electrically connected to ground, the shielding structure being between the acoustic tracks, the shielding structure shielding a first electro-acoustic transducer in a first acoustic track from a second electro-acoustic transducer in a second acoustic track; and

reflectors that border the acoustic tracks;

wherein the shielding structure is electrically connected to an external ground and to the reflectors.

8. (Currently Amended) The DMS filter of claim 3, wherein the first electro-acoustic transducer comprises a first outer bus bar and the second electro-acoustic transducer comprises a second outer bus bar, the first outer bus bar comprising a bus bar of the first electro-acoustic transducer that is furthest from the second acoustic track, and the second outer bus bar comprising a bus bar of the second electro-acoustic transducer that is furthest from the first acoustic track, the first outer bus bar comprising first and second sub-bars, the second outer bus bar comprising third and fourth sub-bars, the first and second sub-bars being electrically connected to first and second input terminals, respectively, and the third and fourth sub-bars being electrically connected to first and second output terminals, respectively; and

wherein the first electro-acoustic transducer and the second electro-acoustic transducer operate symmetrically.

9. (Previously Presented) The surface acoustic wave filter of claim 1, wherein the first electro-acoustic transducer, the second electro-acoustic transducer, and the shielding structure are made of a same metal plating.

10. (Previously Presented) The surface acoustic wave filter of claim 9, wherein the metal plating comprises a layer of aluminum or an alloy containing aluminum, or a multiple-layer composition that contains at least one layer of aluminum or of an aluminum alloy.

11. (Previously Presented) The surface acoustic wave filter of claim 1, further comprising:

a carrier on which the piezoelectric substrate is mounted in a flip-chip arrangement; and
an electrically-conducting connection between a connecting surface on the carrier and the shielding structure, the electrically-conducting connection comprising one or more bumps.

12. (Previously Presented) The surface acoustic wave filter of claim 1, wherein the shielding structure is at least along an entire length of the first and second electro-acoustic transducers.

13. (Previously Presented) The surface acoustic wave filter of claim 1, wherein the shielding structure has a width that is larger than facing bus bars of the first and second electro-acoustic transducers.

14. (New) A DMS filter comprising the surface acoustic wave filter of claim 1, wherein the first electro-acoustic transducer comprises the input transducer and the second electro-acoustic transducer comprises the output transducer, the DMS filter further comprising:

a first coupling transducer in the first acoustic track, the first coupling transducer comprising a first bus bar;

a second coupling transducer in the second acoustic track, the second coupling transducer comprising a second bus bar; and

a coupling line that electrically connects the first and second bus bars;
wherein the shielding structure between the first electro-acoustic transducer and the second electro-acoustic transducer.

15. (New) The DMS filter of claim 14, wherein the first bus bar comprises a bus bar of the first coupling transducer that is furthest from the second acoustic track, and the second bus bar comprise a bus bar of the second coupling transducer that is furthest from the first acoustic track.

16. (New) The DMS filter of claim 15, further comprising:

reflectors that sandwich the acoustic tracks;

wherein the coupling line extends around the reflectors outside the acoustic tracks.

17. (New) The DMS filter of claim 14, wherein the shielding structure is electrically connected to an external ground and to a bus bar of a coupling transducer that is not connected to the coupling line.

18. (New) The DMS filter of claim 14, wherein the first electro-acoustic transducer comprises a first outer bus bar and the second electro-acoustic transducer comprises a second outer bus bar, the first outer bus bar comprising a bus bar of the first electro-acoustic transducer that is furthest from the second acoustic track, and the second outer bus bar comprising a bus bar of the second electro-acoustic transducer that is furthest from the first acoustic track, the first outer bus bar comprising first and second sub-bars, the second outer bus bar comprising third and fourth sub-bars, the first and second sub-bars being electrically connected to first and second input terminals, respectively, and the third and fourth sub-bars being electrically connected to first and second output terminals, respectively; and

wherein the first electro-acoustic transducer and the second electro-acoustic transducer operate symmetrically.

19. (New) The surface acoustic wave filter of claim 1, further comprising:
reflectors that border the acoustic tracks;

wherein the shielding structure is electrically connected to an external ground and to the reflectors.

20. (New) The DMS filter of claim 3, wherein the first acoustic track and the second acoustic track are arranged in parallel such that respective surface acoustic wave propagation directions of the first acoustic track and the second acoustic track are parallel to each other.